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*On the preservation of separation axioms in products ** "Presented at the Fifth International Conference Topology and Its Applications, Dubrovnik, 1990.

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Abstract: We give sufficient and necessary conditions to be fulfilled by a filter Ψ and an ideal Λ in order that the Ψ -quotient space of the Λ -ideal product space preserves T_k -properties ($k = 0, 1, 2, 3, 3\frac{1}{2}$) ("in the sense of the Los theorem"). Tychonoff products, box products and ultraproducts appear as special cases of the general construction.

Keywords: separation axioms, box product, ultraproduct, ideal product topology

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